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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/541,180	06/30/2005	Linda Veronneau	EAR-101 (US) (NAT)	6142	
47670	7590 11/14/2006		EXAM	INER	
KELLEY DRYE & WARREN LLP TWO STAMFORD PLAZA 281 TRESSER BOULEVARD			KILIMAN,	KILIMAN, LESZEK B	
			ART UNIT	PAPER NUMBER	
STAMFORD	, CT 06901		1773		
			DATE MAIL ED: 11/14/2004	•	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		10/541,180	VERONNEAU ET AL.
Office Action Summary		Examiner	Art Unit
		leszek b. kiliman	1773
Period f	The MAILING DATE of this communication app or Reply	ears on the cover sheet w	ith the correspondence address
A SH WHII - Exte after - If NO - Fail Any	HORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 r SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period warre to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a vill apply and will expire SIX (6) MOI , cause the application to become A	CATION. reply be timely filed  NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status	, , , , , , , , , , , , , , , , , , , ,		
1)□ 2a)□ 3)□	This action is <b>FINAL</b> . 2b)⊠ This	action is non-final. nce except for formal mat	• •
Disposit	tion of Claims		,
5)□ 6)⋈ 7)□ 8)□ <b>Applicat</b> 9)□ 10)□	Claim(s) 1-8,10 and 12-15 is/are pending in the 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed.  Claim(s) 1-8,10 and 12-15 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or claim(s) are subject to by the Examine.  The specification is objected to by the Examine. The drawing(s) filed on is/are: a) acceeding a control of the drawing sheet(s) including the correction of the control of the co	wn from consideration.  r election requirement.  r.  epted or b) objected to drawing(s) be held in abeyalion is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
	under 35 U.S.C. § 119		3 0 moo / (0 mor) or 10 mr 1 7 0 102.
12)□ a)	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the priority application from the International Bureau  See the attached detailed Office action for a list of	s have been received. s have been received in A ity documents have been ı (PCT Rule 17.2(a)).	Application No  received in this National Stage
2) 🔲 Notic 3) 🔲 Infor	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) ce of Draftsperson's Patent Drawing Review (PTO-948) ce of Draftsperson's Patent (s) (PTO-1449 or PTO/SB/08) ce No(s)/Mail Date	Paper No(	Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 

Application/Control Number: 10/541,180

Art Unit: 1773

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1,2,5,6,7,10,14,15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Specifically, the fallowing terms are not clear:

"substantially small uniform sized" - such term is relative it is not clear what is small:

"the nanoscale range (10-9 m) – there is no range listed:

"polarizable" is not a definite statement, polarizable by what?

"compatible with petroleum-based products" – it is not clear which products.

## Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakanishi'666, Geiser'448, Ohshima'266.

See Ohshima'266, abstract, column 2, lines 1-25, column 4, lines 47-55, examples.

Geiser'448, Abstract, figures, Summary of the Invention, column 2, bottom – column 3, lines 1-35.

The amendments and remarks filed by Applicants in their response have been fully considered. The claims, however, remain unpatentable in view of the above rejections. In response to the Applicants arguments the examiner submits that the prior art cited substantially teaches the claimed invention as in the above rejections. The rejections are believe to be proper and are maintained.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to leszek b. kiliman whose telephone number is 571-272-1509. The examiner can normally be reached on M-T, 6.30-5.00.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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